



The graph illustrates the stability of two plasmids, pDW8 and pDW12, in a bacterial population over 200 generations. The y-axis represents the proportion of cells retaining the plasmid on a logarithmic scale from 10^{-4} to 10^1 . The x-axis represents the number of generations from 0 to 250. pDW8 (blue line) shows high stability, remaining near 1.0 throughout the experiment. pDW12 (orange line) shows a significant decline, starting at approximately 1.5 and dropping to about 1.5×10^{-4} by generation 200. Error bars for pDW12 indicate increasing variability as the proportion decreases.

Number of Generations	pDW8 (Proportion)	pDW12 (Proportion)
0	~1.0	~1.5
50	~0.9	~1.1
100	~0.7	~0.2
150	~0.7	~0.005
200	~0.5	~0.00015